



exness Think Next Level Trading Think Exness



```
[] 6
                                                                                       Output
main.py
                                                                  Save
                                                                             Run
                                                                                                                                                                   Clear
 1 - def leftmost_column_with_one(binaryMatrix):
        rows = len(binaryMatrix)
                                                                                     === Code Execution Successful ===
        cols = len(binaryMatrix[0])
        row = 0
        col = cols - 1
        leftmost col = -1
 7 +
        while row < rows and col >= 0:
            if binaryMatrix[row][col] == 1:
               leftmost_col = col
 9
                col -= 1
10
11 -
            else:
12
                row += 1
        return leftmost_col
13
14 - binaryMatrix = [
15
        [0, 0, 0, 1],
16
        [0, 0, 1, 1],
17
        [0, 1, 1, 1]]
18 print(leftmost_column_with_one(binaryMatrix))
```

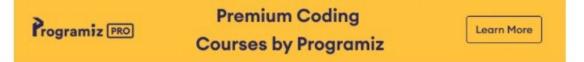


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6
                                                                                       Output
                                                                            Run
                                                                  Save
main.py
                                                                                                                                                                   Clear
1 - def maxDiff(num):
                                                                                     0
       num_str = str(num)
       max_diff = 0
                                                                                     === Code Execution Successful ===
       for x in range(10):
           for y in range(10):
               new_num = num_str.replace(str(x), str(y))
               if new_num != '0' and not new_num.startswith('0'):
                   a = int(new_num)
                   b = int(num_str.replace(str(x), str(y)))
                   max_diff = max(max_diff, abs(a - b))
10
                   return max_diff
   num = 555
   print(maxDiff(num))
```

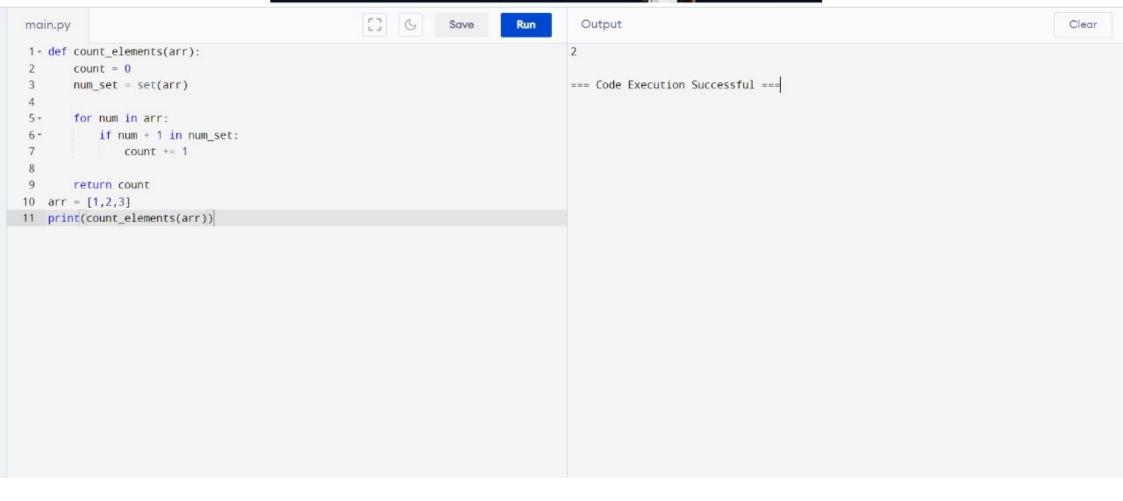




```
[] 6
main.py
                                                                            Run
                                                                                      Output
                                                                                                                                                                 Clear
                                                                 Save
1 - def canBreak(s1, s2):
                                                                                    True
       s1_sorted = ''.join(sorted(s1))
                                                                                    === Code Execution Successful ===
       s2_sorted = ''.join(sorted(s2))
       can_break_s2 = all(s1_sorted[i] >= s2_sorted[i] for i in range(len(s1)))
       can_break_s1 = all(s2_sorted[i] >= s1_sorted[i] for i in range(len(s1)))
       return can_break_s1 or can_break_s2
   s1 = "abc"
   s2 = "xya"
10 print(canBreak(s1, s2))
```



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53
                                                                                      Output
main.py
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                                                                            Run
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1 - def kidsWithCandies(candies, extraCandies):
                                                                                     [True, True, True, False, True]
       max_candies = max(candies)
       result = []
                                                                                     === Code Execution Successful ===
       for candy in candies:
           if candy + extraCandies >= max_candies:
               result.append(True)
            else:
               result.append(False)
       return result
10 candies = [2, 3, 5, 1, 3]
11 extraCandies = 3
12 print(kidsWithCandies(candies, extraCandies)) # Output: [True, True, True, False
       , True]
```



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[] 6
                                                                  Save
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main.py
                                                                            Run
1 - def nextPermutation(nums):
       i = len(nums) - 2
                                                                                    === Code Execution Successful ===
       while i \ge 0 and nums[i] \ge nums[i + 1]:
           i -= 1
       if i >= 0:
           j = len(nums) - 1
           while j >= 0 and nums[j] <= nums[i]:</pre>
           j -= 1
           nums[i], nums[j] = nums[j], nums[i]
10
       nums[i + 1:] = reversed(nums[i + 1:])
11
```

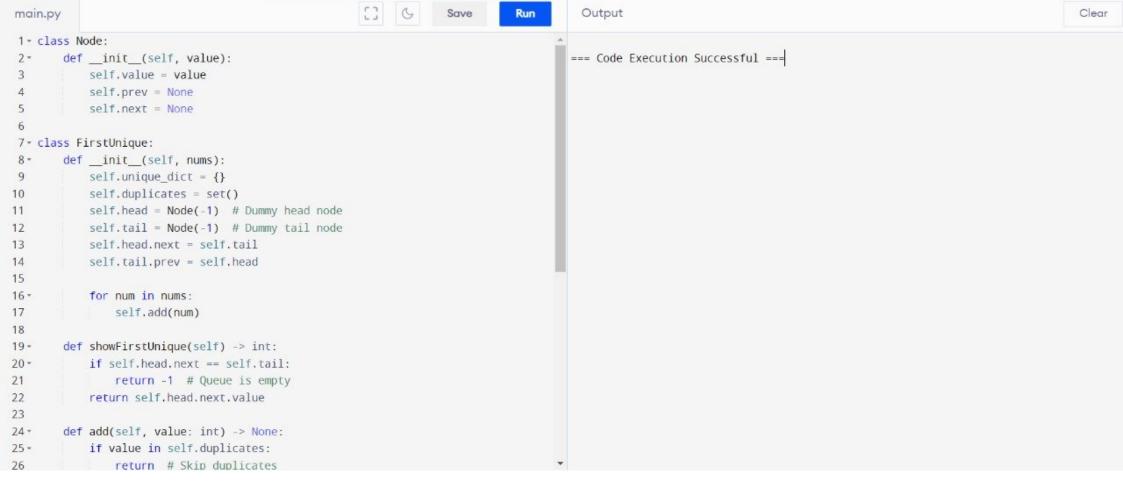


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```
G
                                                                                           Output
main.py
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 1 \quad MOD = 10**9 + 7
 3 - def numberWays(hats):
                                                                                         === Code Execution Successful ===
        dp = [[-1] * (1 << len(hats)) for _ in range(41)]</pre>
        return assignHats(0, 0, hats, dp)
 7- def assignHats(hat_idx, mask, hats, dp):
        if mask == (1 << len(hats)) - 1:</pre>
 9
            return 1
10 -
        if hat_idx == 40:
11
            return 0
        if dp[hat_idx][mask] != -1:
12-
13
            return dp[hat idx][mask]
        ways = assignHats(hat_idx + 1, mask, hats, dp)
14
        for person in range(len(hats)):
15 -
16 -
            if hat idx + 1 in hats[person] and not (mask & (1 << person)):
                ways += assignHats(hat_idx + 1, mask | (1 << person), hats, dp)</pre>
17
18
                ways %= MOD
19
        dp[hat_idx][mask] = ways
20
21
        return ways
    hats = [[3,4],[4,5],[5]]
    print(numberWays(hats))
24
```







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